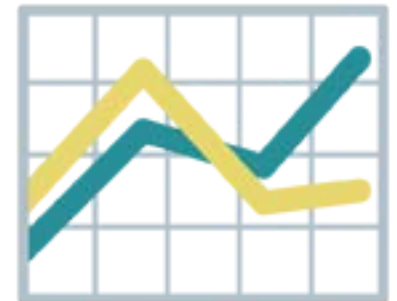


2012 Central Valley Flood Protection Plan Refinement

Technical Workshop #2: Tools and Data

Tools and Data for Measuring Progress Toward
Achieving the Basin-Wide Feasibility Studies
and Central Valley Flood System Conservation
Strategy Objectives

October 23-24, 2013



Introductions

Workshop Objectives

- Provide update on BWFS and Conservation Strategy development, coordination with RFMP
- Describe how technical input has been considered/ incorporated
- Provide overview of proposed tools and data
- **Solicit input:** Discuss applicability of proposed tools and data
- Share preliminary analysis of individual system elements from Sacramento River BWFS

Workshop Purpose

Workshop #1

May 2013

- What do we want to achieve (objectives)?
- What should we measure (metrics)?



Workshop #2

Oct. 2013

- What data and tools are appropriate for measuring metrics?
- Are correct methodologies and assumptions being used in applying the data and tools?

**Today's
Workshop**

Levels of Engagement to Fit Needs

Levels of Engagement	Frequency	Example Locations/ Venues
Summary Information, Fact Sheets, and Orientation Materials	Available throughout the Planning Process	Project Website, Web-based Briefings, FloodSAFE Events, Conferences, Presentations to Elected Bodies
High-level Discussions, Status Updates, Previews of Planning Concepts	On-going, generally at least monthly	Coordination through Central Valley Flood Protection Board Coordinating Committee, Regional Flood Management Planning efforts, and meetings of Planning Partners
Specific Regional Issues and Concerns	Varies, as needed	Coordination through regular meetings: <ul style="list-style-type: none">• Regional Flood Management Planning efforts• California Central Valley Flood Control Association and other groups• Forums of other large programs (Bay Delta Conservation Plan, etc.)
Technical Information and Topic-Specific Deliberations	2 Workshops planned in 2013, additional as needed	Public Workshops (primarily in Sacramento) Special invitations to technical and subject-matter experts

Levels of Engagement to Fit Needs

**Levels of
Engagement**

Frequency

Example Locations/Venues

**Technical
Information and
Topic-Specific
Deliberations**

**2 Workshops
planned in
2013,
additional
as needed**

**Public Workshops (primarily in
Sacramento)
Special invitations to technical and
subject-matter experts**

Workshop Agenda – Day One

TIME	TOPIC
9:30 AM	Welcome and Opening Remarks
10:00 AM	Update on Development of BWFS and Conservation Strategy and Coordination with RFMP Processes
10:30 AM	Revised Draft BWFS/CS Objective Topics and Potential Metrics
11:20 AM	Overview of Technical Sessions Focusing on Proposed Tools and Data
<i>11:30 AM</i>	<i>Lunch</i>
12:45 PM	Technical Session A: Floodplain Processes (Plenary)
<i>2:45 PM</i>	<i>Break</i>
3:00 PM	Technical Session B1: Hydrology and Hydraulics (Concurrent with B2)
3:00 PM	Technical Session B2: Habitats – Existing Conditions and Tracking (Concurrent with B1)
5:00 PM	Recap of Technical Sessions B1 and B2, Preview of Day Two
<i>5:15 PM</i>	<i>Adjourn for the day</i>

Workshop Agenda – Day Two

TIME	TOPIC
9:00 AM	Agenda Review, Introductions, Comments from Day One
9:15 AM	Technical Session C1: Risk Analysis and Economics (Concurrent with C2)
9:15 AM	Technical Session C2: Stressors to Ecosystem Processes (Concurrent with C1)
<i>11:15 AM</i>	<i>Break</i>
11:30 AM	Recap of Technical Sessions C1 and C2
11:45 AM	Status Update on Preliminary Analysis of Individual System Elements from the Sacramento River BWFS
12:45 AM	Next Steps in Developing the BWFS and Conservation Strategy
<i>1:00 PM</i>	<i>Adjourn</i>

Workshop Ground Rules

- Honor the agenda
- Speak to focus and objectives of workshop
- Everyone is encouraged to participate
- Respectful interaction
- Turn cell phones off/silent

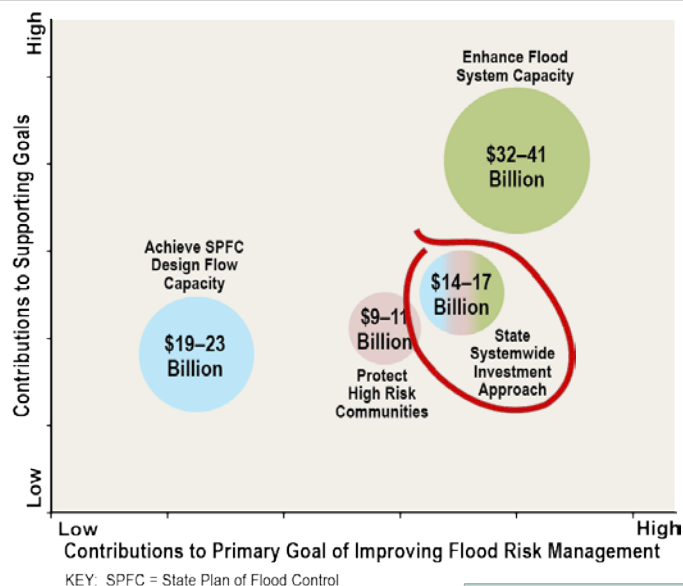
Update on Development of BWFS and CS and Coordination with RFMP Processes

PUBLIC SAFETY

ENVIRONMENTAL STEWARDSHIP

ECONOMIC STABILITY

CVFPP Post-Adoption Planning Activities

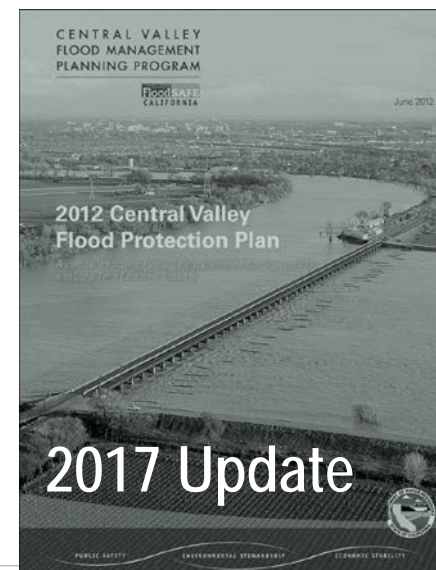


Refine and set the stage for long-term implementation of the State Systemwide Investment Approach (SSIA) described in the 2012 CVFPP

Basin-Wide Feasibility Studies
Sacramento and San Joaquin River Basins

Central Valley Flood System
Conservation Strategy

Locally-led Regional Flood
Management Planning



Schedule

Opportunities for Input



PLAN TIMELINES

2013

Q1

Q2

Q3

Q4

2014

Q1

Q2

Q3

Q4

2015-2016

Basin-Wide Feasibility Studies
(Sacramento and San Joaquin Basins)

Milestone 1
Basin Problems, Objectives & System Improvements

Milestone 2
Refined System Configurations

Milestone 3
State Preferred System Configuration

Milestone 4
Public Draft BWFS Report

Milestone 5
Report Revisions

Milestone 6
Final BWFS Report

Central Valley Flood System Conservation Strategy

Objectives and System Improvements

Public Draft Conservation Strategy

Incorporate Conservation Strategy into 2017 CVFPP Update

Regional Flood Management Planning

Problems and Conditions

Preliminary Project List

Draft Finance Plans

Final Regional Plans



Ongoing Development of BWFS

Major Plan Formulation Activities

- Identification of problems and resource conditions
- Refinement of objectives and metrics
- Refinement of system improvement features

Ongoing Development of BWFS

Major Technical Analysis Activities

- Updating hydrologic, hydraulic, and economic baselines
- Refining climate change analysis approach
- Preliminary evaluations of Sacramento and San Joaquin River Basin system improvement features
- Economic Analysis Procedures

BWFS Development

Milestone 1

Basin Problems,
Objectives & System
Improvements

Completed

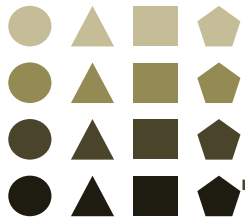
Milestone 2

Refined System
Configurations

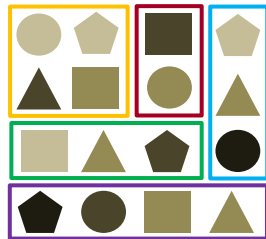
Early 2014

Formulate Refined Physical System Configurations

Evaluate system
improvement features
individually

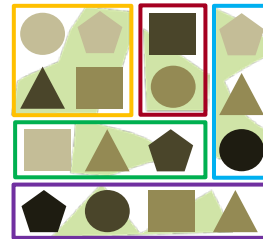


System-scale
physical flood
management
features



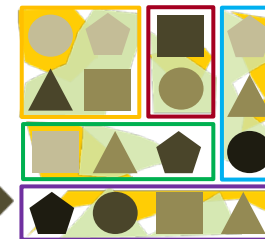
Conduct sensitivity
analysis

Integrate
ecosystem
restoration
features



Collaboration with
Conservation Strategy

Update
assumptions
for regional
features



Based on preliminary
input from RFMP's

Evaluate
tradeoffs

Identify Refined
System
Configurations

Next Steps in BWFS Development

Next Steps

- Refine Problem Identification and Resource Conditions
- Identify Refined System Configurations
- Post-M2 Engagement on Refined System Configurations

Ongoing Development of CS

- Continued Interagency Advisory Committee (IAC) involvement
- Ongoing outreach/coordination with RFMPs
- Programmatic permitting integrated into Conservation Strategy
- Development of Conservation Strategy is informing the RFMP and BWFS processes

BWFS/CS/RFMP Coordination Activities

- Identifying and communicating flood-related problems/opportunities
- Tracking formulation of regional visions/preliminary projects
- Continued RFMP engagement through:
 - CVFPB Coordination Committee
 - Technical workshops
 - Technical presentations
 - Informal engagements

Clarifying Questions?

PUBLIC SAFETY

ENVIRONMENTAL STEWARDSHIP

ECONOMIC STABILITY